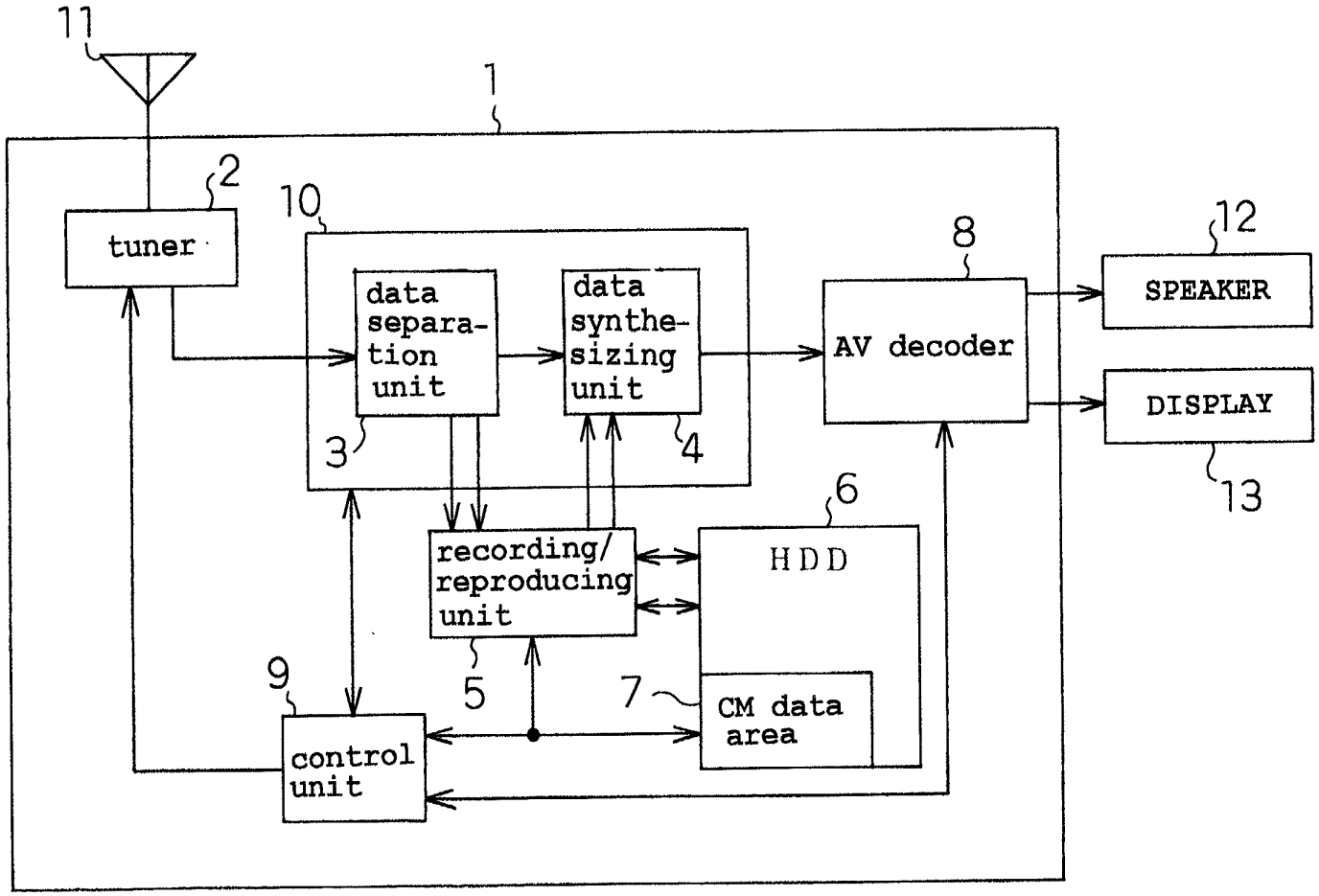
Fig. 1


11
1
2
tuner
10
data separation unit
3
data synthesizing unit
4
8
AV decoder
12
SPEAKER
DISPLAY
13
6
HDD
recording/ reproducing unit
5
7
CM data area
9
control unit

TOSTAR" 6685760

Fig. 2(a)

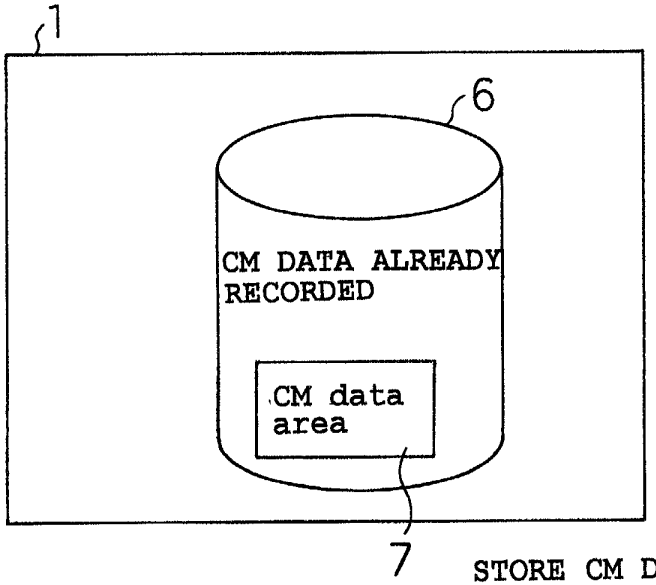
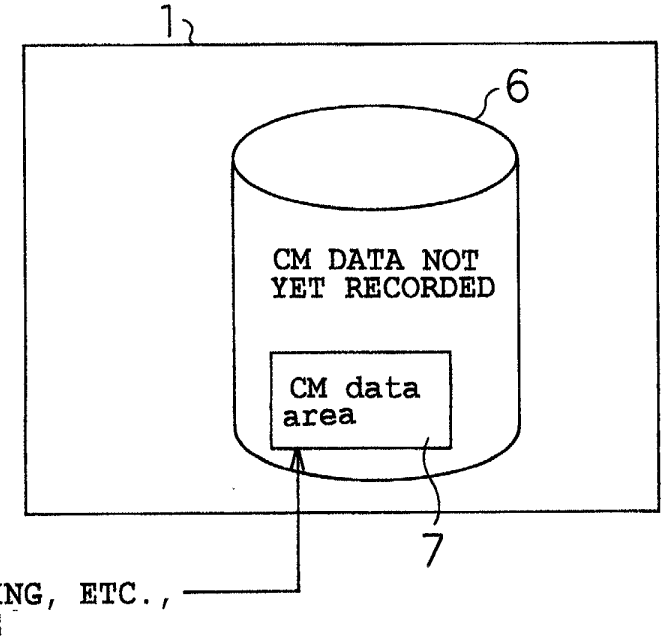
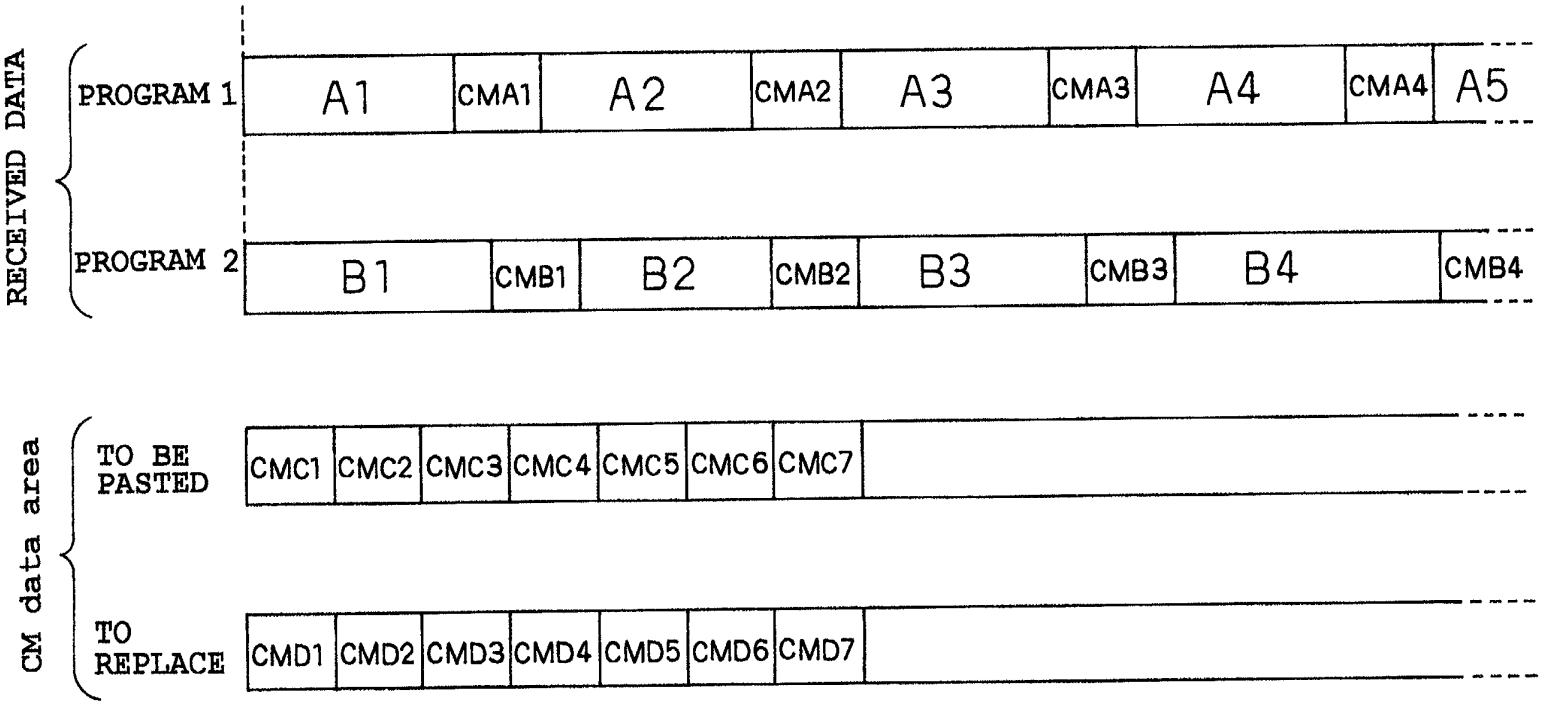


Fig. 2(b)



JP2001-66858A

Fig. 3



TOSTAR "6685450

Fig. 4

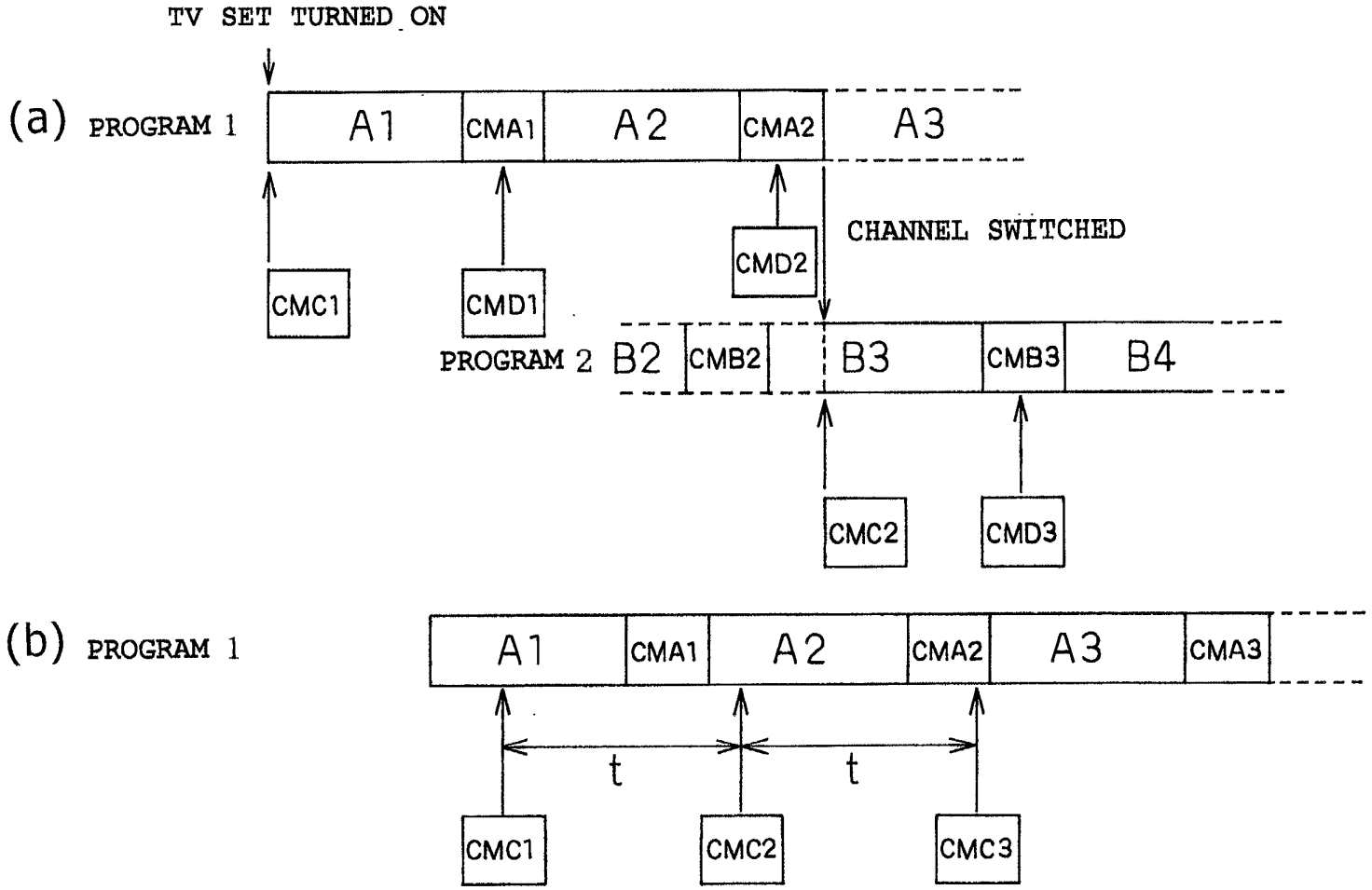


Fig. 5

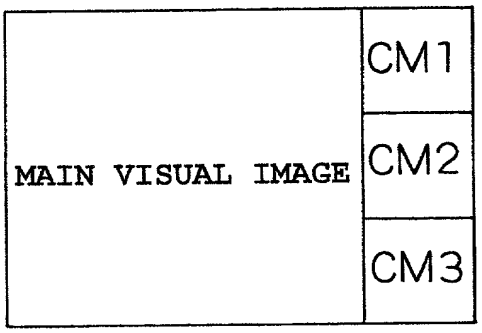


Fig. 6

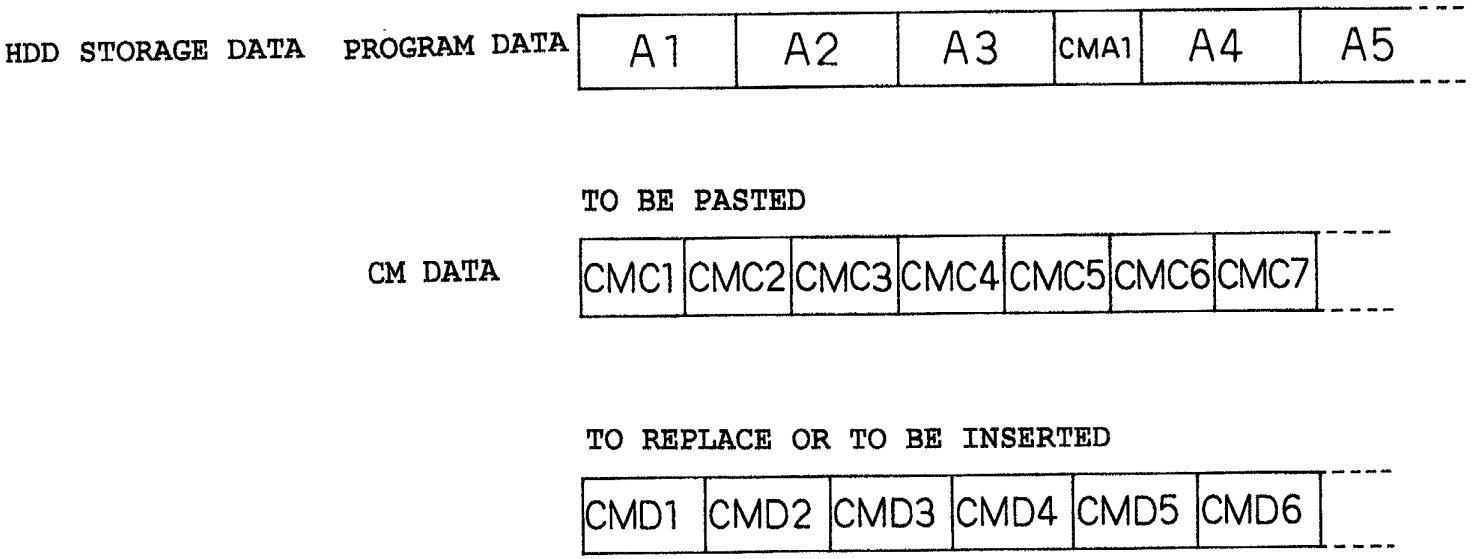

HDD STORAGE DATA
PROGRAM DATA
A1
A2
A3
CMA1
A4
A5
TO BE PASTED
CM DATA
CMC1
CMC2
CMC3
CMC4
CMC5
CMC6
CMC7
TO REPLACE OR TO BE INSERTED
CMD1
CMD2
CMD3
CMD4
CMD5
CMD6

Fig. 7

(a)

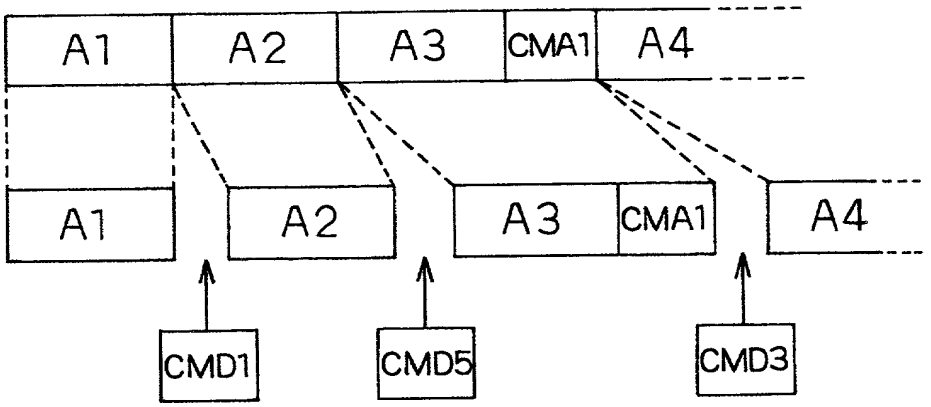


Fig. 7

(b)

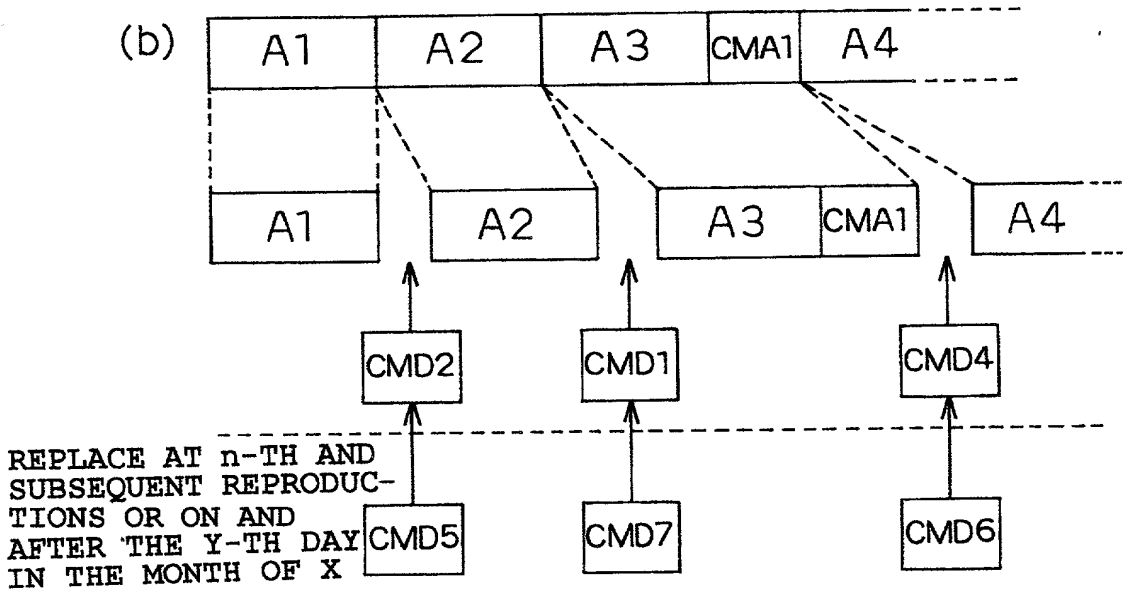
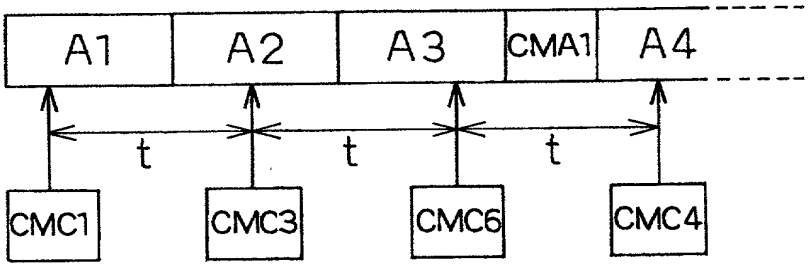


Fig. 7

(c)



TOSTAR "66858460

Fig. 8

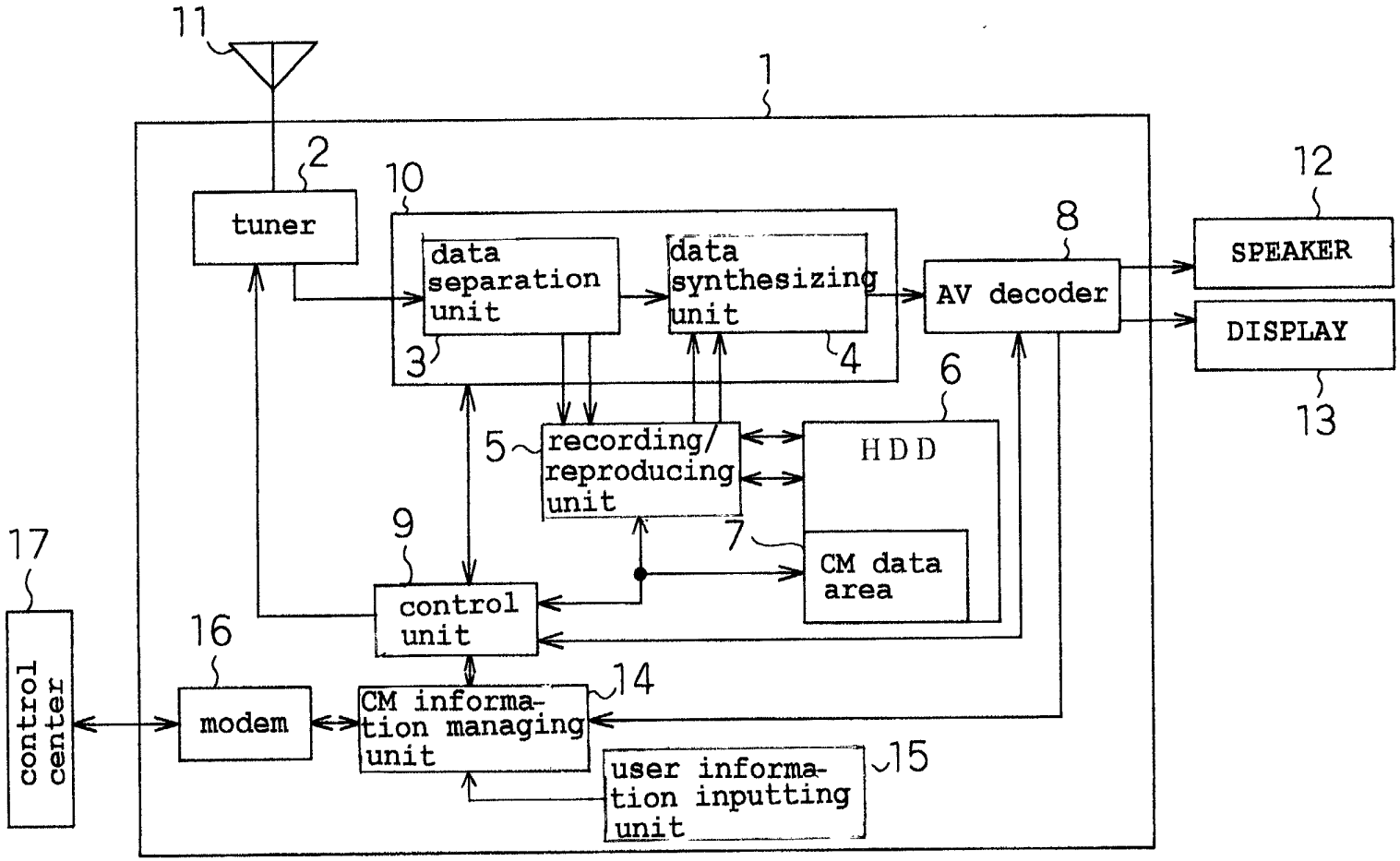
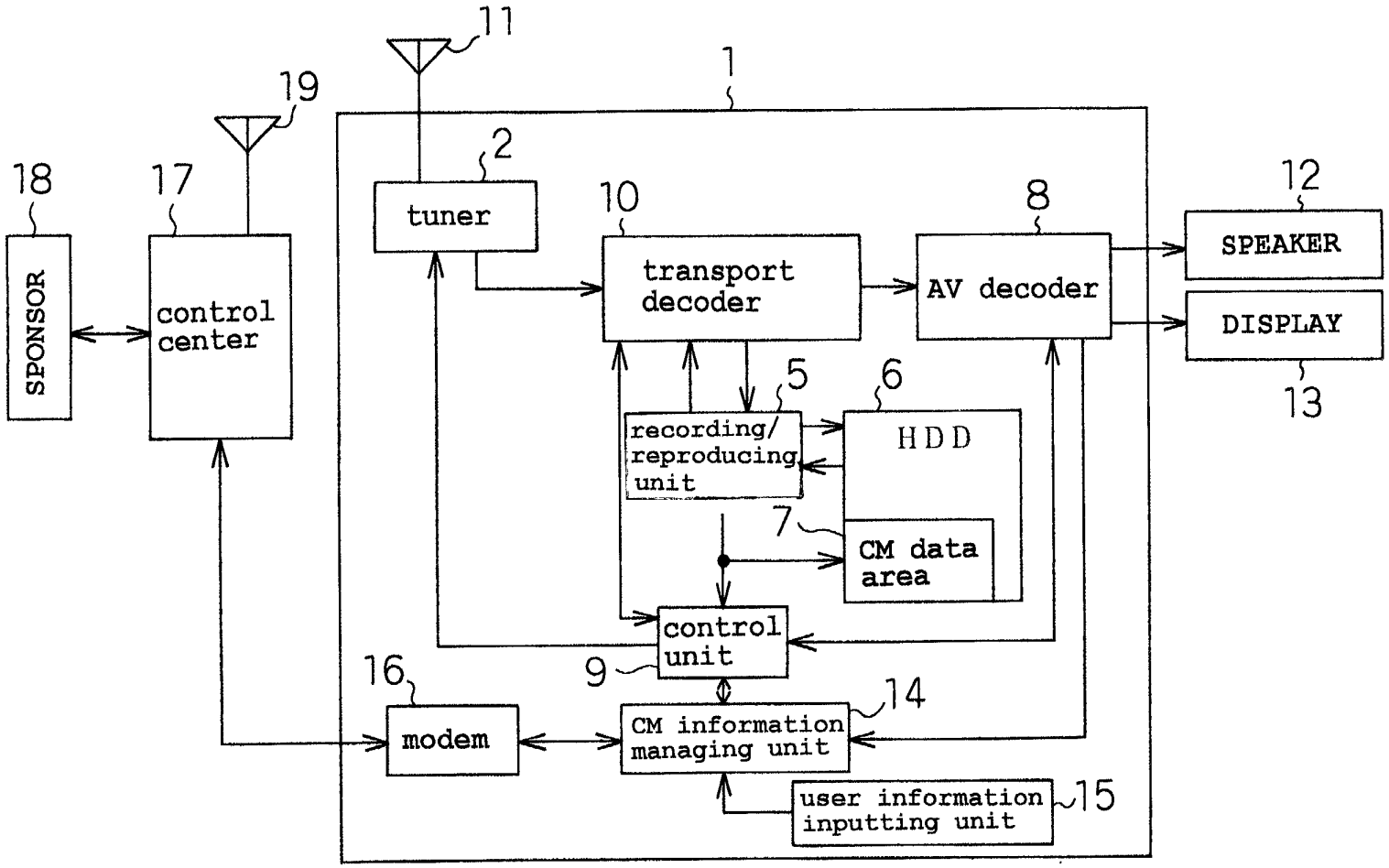


Fig. 9


11
1
19
2
18
17
tuner
10
8
12
SPONSOR
control center
transport decoder
AV decoder
SPEAKER
DISPLAY
5
6
13
recording/ reproducing unit
HDD
7
CM data area
control unit
16
9
14
modem
CM information managing unit
user information inputting unit
15